



1155 Canyon

Boulder, Colorado



Boulder’s first private project to qualify for LEED certification

Services: Energy Modeling & Analysis, Daylighting Modeling & Analysis, LEED Certification Consulting, Commissioning, Measurement & Verification

1155 Canyon is a mixed-use facility located in the heart of downtown Boulder, Colorado. The building contains amenities for commercial office space, a bank, 18 high-end residential units, and an underground parking facility. The building is located two blocks from the Pearl Street Mall, the pedestrian mall that serves as the center of the commercial, retail and entertainment district in Boulder — a vibrant, urban living and working environment.

Some strategies for reducing energy use in this mixed-use facility included reduced lighting power densities and controls such as photo cells, solar tubes and skylights; variable speed air distribution systems; airside economizer control; and photovoltaic domestic water heating.

Architectural Energy Corporation, as the energy and LEED consultant, contributed to the resulting energy savings and LEED Silver certification of the property. AEC worked with the design team to determine the project’s program requirements and establish the LEED Certification goals early in the design process.

“LEED definitely has emerged as the national standard. Jerry Lee [Lee Real Estate Development] is setting the stage for more competition for green office space in downtown Boulder.”

—Elizabeth Vasatka, Environmental Coordinator, Boulder Office of Environmental Affairs

- LEED STATUS** LEED® Silver
- SIZE** 100,463 SF — 4 stories
- TIMELINE** 2007 – 2008
- OWNER** Lee Real Estate Development
- ARCHITECT** OZ Architecture
- RECOGNITION** American Institute of Architects Colorado North Chapter, Citation Award, 2008

SUSTAINABLE DESIGN FEATURES	
Sustainable Site	
100% of the building’s parking underground	
White reflective roof coating reduces urban heat	
500 rides per day to the building shows exemplary commitment to alternative transportation	
High density urban development	
Energy Efficiency & Renewable Technology	
10% of the building’s energy provided by on-site renewable energy with one of the largest photovoltaic systems in the City of Boulder and a solar domestic hot water system	
COMMISSIONED SYSTEMS	
HVAC systems	
Domestic hot water including solar thermal system	
Solar PV system	
Lighting control systems	

The “LEED Certification Mark” is a registered trademark owned by the U.S. Green Building Council and is used by permission.